

## NATURAL RESOURCES CONSERVATION SERVICE

# OPERATION AND MAINTENANCE GUIDE FOR YOUR WASTE STORAGE FACILITY - APPLICATION OF WASTEWATER

OPERATOR: \_\_\_\_\_ DATE: \_\_\_\_\_

TAX MAP KEY OF PRACTICE LOCATION: \_\_\_\_\_

NRCS OFFICE: \_\_\_\_\_ PHONE: \_\_\_\_\_

A properly operated and maintained wastewater application system is an asset to your farm. This wastewater application system is designed and installed to move wastes from the collection area or storage to your planting area. The estimated 10-year life of this installation can be assured and will be increased by developing and carrying out a good operation and maintenance program.

Following are operation recommendation for the application of wastewater from your waste storage facility (pond or fabricated structure) and maintenance recommendations for your wastewater application system.

## OPERATION RECOMMENDATIONS

- Avoid contact with wastewater whenever possible.
- Agitate the wastewater in the pond before removal. Wastewater may be mixed by agitators or reverse pumping.
- The intake for a pump should be kept above the pond bottom. This may be done by attaching a flotation device near the end of the intake pipe.
- Supplemental nutrients and water may be needed for your plants.
- Avoid applying wastewater on windy days.
- Apply wastewater on sunny days and when the ground is dry.
- Application of wastewater shall not create ponding or runoff.
- Apply the wastewater at the recommended rate. Over application may cause damage to your plants and the environment.
- A nutrient analysis of your waste liquids and solids is needed to validity your application rates.
- Wastewater should be applied at a rate that will not exceed 1/2 inch per hour.

- Solids should be applied at a rate that will not exceed \_\_\_\_\_ cubic feet per acre per day.
- It is advisable to flush the system with clean water after each use.
- Other operation recommendations, if any:

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### **MAINTENANCE RECOMMENDATIONS**

- Maintain all pumps, agitators, piping, valves, electrical, and mechanical equipment in good operating condition following the manufacturer's recommendations.
- Maintain grounding rods and wiring of all electrical equipment in good working condition.
- Maintain all safety shields on pumps, motors, electrical, or mechanical equipment.
- All fencing railings and/or warning signs shall be maintained to prevent unauthorized human or livestock entry.
- Immediately repair any vandalism, vehicular or livestock damage to the system.
- Other maintenance recommendations, if any:

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CONTACT YOUR LOCAL NATURAL RESOURCES CONSERVATION SERVICE OFFICE FOR  
ADDITIONAL TECHNICAL ASSISTANCE YOU MIGHT NEED FOR IMPLEMENTATION OF THIS  
OPERATION AND MAINTENANCE GUIDE.